

(2)

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/854,133

DATE: 05/31/2001

TIME: 15:12:18

Input Set : A:\475c10.app.txt

Output Set: C:\CRF3\05312001\I854133.raw

ENTERED

See p.5

```

3 <110> APPLICANT: Lodes, Michael J.
4   Mohamath, Raodoh
5   Henderson, Robert A.
6   Benson, Darin R.
7   Secrist, Heather
10 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
11   THE THERAPY AND DIAGNOSIS OF LUNG CANCER
14 <130> FILE REFERENCE: 210121.475C10
C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/854,133
17 <141> CURRENT FILING DATE: 2001-05-11
19 <160> NUMBER OF SEQ ID NOS: 735
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 339
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapien
28 <400> SEQUENCE: 1
29   gtactcagac aggatagtc tcatgtagca caaagcamat cctgtttcta tacttgtagt      60
30   ttgctctcac tcagtggcat ratcattact atacagtgtg gaatgttrtt atgtagcata      120
31   gatgtggggt ctctagccca cagctctsta cctttgtcta gcactcctgt cctcatacct      180
32   ragtggcctg tccatcagca tgtttctcat ctactttgct tgtccagtcc actgtgggtcc      240
33   tcccttgccc tctcccttat gtggcagagt ggaaccagct gtccctgagac ttgagttcaa      300
34   catctgggtc gcccatytgc atgtttgtgg tctgagtac                               339
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 698
38 <212> TYPE: DNA
39 <213> ORGANISM: Homo sapien
41 <220> FEATURE:
42 <221> NAME/KEY: misc_feature /
43 <222> LOCATION: (1)...(698)
44 <223> OTHER INFORMATION: n = A,T,C or G
46 <400> SEQUENCE: 2
47   gtactcagac cagcactgca ttttctccac tgctgacggg tctaatacca gctgcttccc      60
W--> 48   tttcttggag gcagagctng tgaccttgag aaagtgacct gtgaccatca tgtgggtagt      120
49   gagctgctgc aaggtgtcat gggagctccc aactccatg cactttwaga tctgggactt      180
50   gcaggcctca ractgccagg ttagctctgc tccattttgg tagccatagc gttgtgtgga      240
51   ggacaactgc aagttggcgt tcttctgaga agaaaaagaa tctgcaaaag atcctgtggt      300
52   tgaatcgggg gaacacggcc gattgacatc aaaaacgcgt ttcttagccc ggttgaccat      360
53   tttcgaggaa atggttgagg actggtcctc tcaaaggcac ttttggtta tgtttgttt      420
W--> 54   yaatcatgtk gacgtcccaa tcttggragg gaatcgaang rantcncnc caaaacatrc      480
55   stttcagraa ccttttgarc atcctctttt ttccgtrtcc cggmaargcc cytttccckg      540
W--> 56   ggctttgaaa wyagcctsgt tgggttctta aattaccart ccacnwgttg gaattccccg      600
W--> 57   ggccccctgc cgggktccaa ccaattttgg graaaacccc cncansccgt tkggantgen      660
W--> 58   acaacntggn nttttcmtt tcgtgntccc ctngaacc                               698
60 <210> SEQ ID NO: 3
61 <211> LENGTH: 697
62 <212> TYPE: DNA

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/854,133

DATE: 05/31/2001

TIME: 15:12:18

Input Set : A:\475c10.app.txt

Output Set: C:\CRF3\05312001\I854133.raw

```

63 <213> ORGANISM: Homo sapien
65 <220> FEATURE:
66 <221> NAME/KEY: misc_feature
67 <222> LOCATION: (1)...(697) /
68 <223> OTHER INFORMATION: n = A,T,C or G
70 <400> SEQUENCE: 3
71 gtactcagac ccccaacctc gaacagccag aagacagggt gtctcctggg ccttggacac      60
W--> 72 agccngccag gccattgaag ganaagcaaa gacgaagcga accatctctc tccattgtgg      120
W--> 73 gggccaagta gctgcantan ccttcagtc cagttgcatt gggttaaaga gctcatacat      180
W--> 74 actatgtgtg aggggtacag aagcttttcc tcatagggca tgagctctcc nagagttgac      240
W--> 75 cttttgcctn aacttggggg ttctgtgggt cataaagttn ggatatgtat tttttttcaa      300
W--> 76 atggaanaaa atccgtatct ggcaaaaaga ctccaggggg atgatactgt ccttgccact      360
W--> 77 tacagtccaa angatnttcc ccaaagaata gacatttttt cctctcatca cttctggatg      420
W--> 78 caaaatcttt ttttttttcc ctttctcgca ccnccccaga ccccttnnag gttnaaccgc      480
W--> 79 ttcccatctc ccccatccca cacgatnttg aattngcann ncgttgntgg tcgggtcccn      540
W--> 80 nccgaaaggg tntttttatt cggggtnctg anttnnnaac cctnagttg aatccgcggg      600
W--> 81 ggggcenngn gggttnnacc atgntgggga naactncccn ccgcgnttgg aatgccanag      660
W--> 82 ccttgaaant tttcttttgg tcgccccccn gagattc      697
84 <210> SEQ ID NO: 4
85 <211> LENGTH: 712
86 <212> TYPE: DNA
87 <213> ORGANISM: Homo sapien
89 <220> FEATURE:
90 <221> NAME/KEY: misc_feature
91 <222> LOCATION: (1)...(712) /
92 <223> OTHER INFORMATION: n = A,T,C or G
94 <400> SEQUENCE: 4
W--> 95 gtactcagac aaccaatagg tgtgttyctc anactgaaa cacaaaaaga ttctagctna      60
W--> 96 taatgttsaa tgggtgaggg tttaagtgat cttgggtatgt tngatttagc agcgatnggc      120
97 cgggtgcggt ggctcagca tgtatccag cactttggga ggccgaggca ggaggatcac      180
W--> 98 ctgaggtcag gagtttgaga ccagcctggc cgacatggtn aaaccccgtc tctactanga      240
W--> 99 atacanaaat tagcccgggc atagtggcgc gtgcctrtga cctcsgctac tttggggatt      300
100 ctcttgagga agaattgctt gaactcaggg aagtggargt ttgcagttag cttaaatcaa      360
101 gccactggca ctccagcct gggktaacag agccamgact ctkgccgaaa aaaaaraama      420
W--> 102 cgacggagaa nmagntctgt tattccatgg gaaattkgaa ttctcttctt tkaaatatct      480
W--> 103 taaaatnggt cctcctwaaa aaagttcggc tggggcccgk tggtcacat tttkttaycc      540
W--> 104 cycccccttt tggggarggc caarggccg kttgawtnnc cettgagggg ccanaactcc      600
W--> 105 agnaaccrgn cccgggccar smgwkgkstr armcccttcc cyyccmaraa aawwcsmaaa      660
106 wwtttyccsc cygsykggct gggasckggt myyyyygmtm csyagcttgc tt      712
108 <210> SEQ ID NO: 5
109 <211> LENGTH: 679
110 <212> TYPE: DNA
111 <213> ORGANISM: Homo sapien
113 <220> FEATURE:
114 <221> NAME/KEY: misc_feature
115 <222> LOCATION: (1)...(679) /
116 <223> OTHER INFORMATION: n = A,T,C or G
118 <400> SEQUENCE: 5
W--> 119 gtactcagac cacctcacat gcagggttag aaacatggag tgtgcggcag catcctcctc      60

```

RAW SEQUENCE LISTING

DATE: 05/31/2001

PATENT APPLICATION: US/09/854,133

TIME: 15:12:18

Input Set : A:\475c10.app.txt

Output Set: C:\CRF3\05312001\I854133.raw

```

120 acatcccttt gtgagcacgg ctgctccgga atactgacca tctgggctag cagcacctaa 120
121 cagaggggttc tgcaggatgt gctattttta agcagctggg tgcaacttgt gaaaacggga 180
W--> 122 atctngaagc agaacatgtn atcagcgatg gctgggattg gtggacagga ttgacaggag 240
123 tatttgaggc tctaccaggc ctgtctacag gacagcttca tcgaaggac attttttaac 300
W--> 124 ctgttatttt anatnccaca tatntttttt aatgctnaag catacagggt gaattttctgg 360
W--> 125 atcgtaacta ctagtgactt ctgaggttta cagttngaag atgttctcnn aggtttatca 420
W--> 126 agttntgtta ttgatgatng gtaatotaca cctctggaag ctgtngaagtg tgaaaaagat 480
W--> 127 ncntncanct gaccagtttg nagggcactc tcttctggna agnaatccgn ccaaaaaaat 540
W--> 128 tgtttcnagg gggcntgggg ggtttaaaaa aatgtttctn ttncntaaa aatgtttacc 600
W--> 129 cnnctattga aaaaatgggg gtcgnggggg gcttnaaatc ccnanttnt gaattttnta 660
W--> 130 tccggaanct tggtttccc 679
132 <210> SEQ ID NO: 6
133 <211> LENGTH: 369
134 <212> TYPE: DNA
135 <213> ORGANISM: Homo sapien
137 <220> FEATURE:
138 <221> NAME/KEY: misc_feature
139 <222> LOCATION: (1)...(369) /
140 <223> OTHER INFORMATION: n = A,T,C or G
142 <400> SEQUENCE: 6
143 tcagtccagt catgggtcct ataagagaag tcaactctgt agtttccatg gaggaagaaa 60
144 aagcttcatt tctttaccct gcagcaacag cggaggagg gagagcctat cttctttgca 120
W--> 145 aattcattaa ctttgtggtt gaaggaggca gcgctngaaa ctgcttttagc acagtgggag 180
146 gaaaacaaac agattcatct ccggaaccca aaggaaaggg tragtgggtt tttattagcc 240
147 agctgtatcc tagatggtca atttccagt gatgaatata ccttacgtac gtttctcttg 300
W--> 148 cttcctacct nggcctgatc agctnggcac ttraatcatt ccgtnggggt wgctgtnaca 360
149 ctggactga 369
151 <210> SEQ ID NO: 7
152 <211> LENGTH: 264
153 <212> TYPE: DNA
154 <213> ORGANISM: Homo sapien
156 <220> FEATURE:
157 <221> NAME/KEY: misc_feature
158 <222> LOCATION: (1)...(264) /
159 <223> OTHER INFORMATION: n = A,T,C or G
161 <400> SEQUENCE: 7
W--> 162 tgctggatra gggatggggc acgggagcac agatmgactt taactgcccc cacgttntcm 60
163 aggaaaggat tacaggcgtg agccactgag ccgggcctct tctccacttt cataggttcc 120
W--> 164 agtctctggt tcttctttct cagtttggtt tttttgcttc ttaaamtag gagatnagaa 180
165 tgaacactac actcggaatc aggaagccct gcttggcgcc tctgtcacct gtctaggggc 240
166 ttcttctcac tgagtcatcc agca 264
168 <210> SEQ ID NO: 8
169 <211> LENGTH: 280
170 <212> TYPE: DNA
171 <213> ORGANISM: Homo sapien
173 <220> FEATURE:
174 <221> NAME/KEY: misc_feature
175 <222> LOCATION: (1)...(280) /
176 <223> OTHER INFORMATION: n = A,T,C or G

```

RAW SEQUENCE LISTING

DATE: 05/31/2001

PATENT APPLICATION: US/09/854,133

TIME: 15:12:18

Input Set : A:\475c10.app.txt

Output Set: C:\CRF3\05312001\I854133.raw

```

178 <400> SEQUENCE: 8
W--> 179  acctcaactg cccanaacan aactgttgta caagatttga ggatttaaca atatttcaca      60
W--> 180  tgaaatattt cagacctacg ngagggctta aagacnaatt aaatgagcac cngtgtgccc      120
W--> 181  accgcccna ttaagaatta gagcaagcag tgaggtgaag ccttgtcctt gcttttaaca      180
W--> 182  tagaaagtga tccaaattca ccaaacttga cttnggttt tgcaagtgtg cctcctgatt      240
W--> 183  ctagacnctg gcgaacatt tgatgggcaa aaaaaaaaaa      280
185 <210> SEQ ID NO: 9
186 <211> LENGTH: 449
187 <212> TYPE: DNA
188 <213> ORGANISM: Homo sapien
190 <220> FEATURE:
191 <221> NAME/KEY: misc_feature
192 <222> LOCATION: (1)...(449) /
193 <223> OTHER INFORMATION: n = A,T,C or G
195 <400> SEQUENCE: 9
W--> 196  tcgtcaactc caggatggct ttgaaaatna atggacacag atctctcctg ttttgatrat      60
W--> 197  ntgcagtgtc natgactggc tttgcagttt attttgattc aggcaacaga tgttcctttt      120
198  ggttcctctgt ctcccatggg cgtcatttca tgttgctctc tgccttcccc cagatattct      180
199  aagttcagga cacaagcttc tggcccatgc agagcagagg ccatgagggg tcacagcatg      240
W--> 200  ggtacgggag gaaacactgg gctnaccag atnctggact tgagtcttgc ctctgctgtc      300
201  tgctgcacag cttctgtcat ggtgctaaac ctgtgacctg cctcacaggc ttagagcatg      360
W--> 202  cccgtagaag tactctnaac taaratgctt tccacaaatg agatgggttc atgaaaactt      420
203  caaatagagg gcctgggcaa aaaaaaaaaa      449
205 <210> SEQ ID NO: 10
206 <211> LENGTH: 538
207 <212> TYPE: DNA
208 <213> ORGANISM: Homo sapien
210 <220> FEATURE:
211 <221> NAME/KEY: misc_feature
212 <222> LOCATION: (1)...(538) /
213 <223> OTHER INFORMATION: n = A,T,C or G
215 <400> SEQUENCE: 10
216  tttttttttt ttcccaaagg cctcaraaca ctagtcttct aattccaagc agaaagttac      60
217  atccgccggg atacatgcca cttggtttga taaatcaaaa tacagcatcc ttcagatccc      120
W--> 218  tttgctgagc aatacaatta tttgtatatg ttactttttt ttctgtttgg ctnaaagatt      180
W--> 219  tgatatgagc tgaggaaaat gaagccntta ctgctatnag atctnatccc tttccaccac      240
W--> 220  ctttcaggga tnttggcact gcayatatc agaattcccc nnagtgcctn gtgataaaaa      300
221  tgtcttcaga gatggcagaa tatgtttcct ttggtacatg ttcattaaaa atatacacgt      360
W--> 222  gctcactact gtggatatgt atgtnttgac cgatnacaca ggctgattta gggaagagat      420
W--> 223  aaaagcacac ttngaattta ttagcctttc accnagacta anattctgaa attaagaatg      480
W--> 224  tattccttgg tcaacaattt tcctcttctc ttagccctct tacattgtan tggactga      538
226 <210> SEQ ID NO: 11
227 <211> LENGTH: 543
228 <212> TYPE: DNA
229 <213> ORGANISM: Homo sapien
231 <220> FEATURE:
232 <221> NAME/KEY: misc_feature
233 <222> LOCATION: (1)...(543) /
234 <223> OTHER INFORMATION: n = A,T,C or G

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/854,133

DATE: 05/31/2001

TIME: 15:12:18

Input Set : A:\475c10.app.txt

Output Set: C:\CRF3\05312001\I854133.raw

```

236 <400> SEQUENCE: 11
237 tttttttttt ttgcccacag ctgccatctt tgtgtgataa ggccaacctt ctatgggaat      60
238 caaccctcgc catcccagca aatcccctct ctcccttctc atgggagtgc cttgtattca      120
W--> 239 tcaggcatct gggacttgat gtgggnttgg gatttgaaat cagagcacct nggtctctst      180
W--> 240 caccattctn tcacttatta gctctnacct tgggtnaata cctgccttag tgtcntaggt      240
W--> 241 acaatatgaa tattgtctat ttctcaggga ttgcaatgac nagtnnatna gtgcatgaga      300
W--> 242 gggtaaaacc acagggtact ccgctcctcc naagaatgga gaattttttc tagaagccca      360
W--> 243 natntgcttg gaagggtggc caccnagagc cnnaatcttc ttttatttnc cactgaangc      420
W--> 244 ctaagaggna attctgaact catcccnna tgacctctcc cgaatmagaa tatctctggc      480
W--> 245 acttaccata ttttcttgcc ctcttccact tacnaaaact ctttattcct taacnggacg      540
246 aaa                                                                    543
248 <210> SEQ ID NO: 12
249 <211> LENGTH: 329
250 <212> TYPE: DNA
251 <213> ORGANISM: Homo sapien
253 <400> SEQUENCE: 12
254 cgatgacttg ggcagtgagt gggcctcctg ccagggtggca gggcacagct tagaccaaac      60
255 ccttggcctc cccctctgc agstacctct gaccaagaag gaaactagca agcctatgct      120
256 ggcaagacca taggtggggt gctgggaatc ctcggggccg gctggcaccc actcctgggtg      180
257 ctcaagggag agaccactt gttcagatgc atrggcctca ggcggttcaa ggcrgtctta      240
258 gagccacaga gtcaaataaa aatcaatttt gagagaccac agcacctgct gctttgatcg      300
259 tgatgttcaa ggcaagttgc aagtcacgc                                     329
261 <210> SEQ ID NO: 13
262 <211> LENGTH: 314
263 <212> TYPE: DNA
264 <213> ORGANISM: Homo sapien
266 <220> FEATURE:
267 <221> NAME/KEY: misc_feature
268 <222> LOCATION: (1)...(314) /
269 <223> OTHER INFORMATION: n = A,T,C or G
271 <400> SEQUENCE: 13
272 cgatgacttg caccggggag ctgtgacagt ggcctggaag cagatggcag ccccgtaag      60
273 gcgggagtgg agaccaccaa accctccaaa cagagcaaca actagtacgc ggccagcagc      120
274 tacctgagcc tgacgcccga gcagtggaag tcccacagaa gctacagctg ccaggtcacg      180
W--> 275 ctgaaggga gcaccgtgga gaagacagtg gccctacag aatgttcata ggttcccnac      240
W--> 276 tctnacccca cccacgggag cctgganctg cangatcccg ggggaagggt ctctctcccc      300
277 atcccaagtc atcg                                                         314
279 <210> SEQ ID NO: 14
280 <211> LENGTH: 691
281 <212> TYPE: DNA
282 <213> ORGANISM: Homo sapien
284 <220> FEATURE:
285 <221> NAME/KEY: misc_feature
286 <222> LOCATION: (1)...(691) /
287 <223> OTHER INFORMATION: n = A,T,C or G
289 <400> SEQUENCE: 14
W--> 290 cgattacttg cacaatgcan attagaaccc aaatgaaggg tacaaccacg atcttctggc      60
291 ttccagttca gtgctgctgg gtttttctta ctaaaccaaa acaatkaaga gcatagaagg      120
W--> 292 gaagagaaga ataaagtcta ttttggctct tggtagcchg ggtaangaga atgctstcac      180

```

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

file:///C:/...

5/31/01

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/854,133

DATE: 05/31/2001

TIME: 15:12:19

Input Set : A:\475c10.app.txt

Output Set: C:\CRF3\05312001\I854133.raw

L:16 M:270 C: Current Application Number differs, Wrong Format
L:48 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:72 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:98 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:99 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/854,133

DATE: 05/31/2001

TIME: 15:12:19

Input Set : A:\475c10.app.txt

Output Set: C:\CRF3\05312001\I854133.raw

L:219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:5960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:233
L:5963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:233
L:6038 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:238
L:6159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:245
L:6467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:261
L:6514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:264
L:6702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:275
L:6774 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:279
L:6795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:280
L:6817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:281
L:6839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:282
L:6998 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:290
L:6999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:290
L:7016 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:291
L:7017 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:291
L:7030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292
L:7035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292
L:7036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/854,133

DATE: 05/31/2001

TIME: 15:12:19

Input Set : A:\475c10.app.txt

Output Set: C:\CRF3\05312001\I854133.raw

L:7037 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292
L:7053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:293
L:7055 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:293
L:7057 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:293
L:7059 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:293
L:7072 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:294
L:7076 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:294
L:7080 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:294
L:7081 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:294
L:7111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:296
L:7112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:296
L:7115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:296
L:7116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:296
L:7146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:298
L:7147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:298
L:7148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:298
L:7149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:298
L:7191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:301
L:7193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:301
L:7194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:301
L:7195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:301
L:7196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:301
L:7197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:301
L:7210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:302
L:7212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:302
L:7213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:302
L:7214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:302
L:7215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:302
L:7216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:302
L:7217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:302
L:7219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:302
L:7255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:304
L:7293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:306
L:7307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:307
L:7308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:307
L:7311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:307
L:7313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:307
L:7314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:307
L:7338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:308
L:7384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:311
L:7422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313
L:7423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313
L:7424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313
L:7425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313
L:7426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313
L:7427 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313
L:7428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313
L:7450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:314
L:7472 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:315

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/854,133

DATE: 05/31/2001

TIME: 15:12:19

Input Set : A:\475c10.app.txt

Output Set: C:\CRF3\05312001\I854133.raw

L:7523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:318
L:7524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:318
L:7562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:320
L:7563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:320
L:7580 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:321
L:7594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:322
L:7595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:322
L:7596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:322
L:7597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:322
L:7598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:322
L:7601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:322
L:7621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:323
L:7622 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:323
L:7638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:324
L:7639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:324
L:7641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:324
L:7664 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:325
L:7677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:326
L:7679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:326
L:7714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:328
L:7731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:329
L:7733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:329
L:7734 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:329
L:7735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:329
L:7737 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:329
L:7755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:330
L:7756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:330
L:7757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:330
L:7758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:330
L:7774 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:331
L:7775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:331
L:7776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:331
L:7778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:331
L:7832 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:334
L:7833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:334
L:7871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:336
L:7890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:337
L:7912 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:338
L:7913 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:338
L:7934 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:339
L:7954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:340
L:7989 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:342
L:8024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:344
L:8025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:344
L:8059 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:346
L:8155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:353
L:8156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:353
L:8157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:353
L:8158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:353

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/854,133

DATE: 05/31/2001

TIME: 15:12:19

Input Set : A:\475c10.app.txt

Output Set: C:\CRF3\05312001\I854133.raw

L:8159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:353
L:8173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:354
L:8174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:354
L:8175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:354
L:8176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:354
L:8177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:354
L:8197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:355
L:8198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:355
L:8199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:355
L:8218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:356
L:8238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:357
L:8240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:357
L:8241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:357
L:8259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:358
L:8260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:358
L:8277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:359
L:8278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:359
L:8279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:359
L:8297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:360
L:8299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:360
L:8300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:360
L:8301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:360
L:8318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:361
L:8320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:361
L:8321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:361
L:8341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:362
L:8342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:362
L:8440 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:369
L:8456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:370
L:8457 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:370
L:8458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:370
L:8475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:371
L:8477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:371
L:8479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:371
L:8493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:372
L:8551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:376
L:8554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:376
L:8624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:381
L:8754 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:389
L:8756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:389
L:8757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:389
L:8758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:389
L:8759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:389
L:9251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:399
L:9252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:399
L:9253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:399
L:9254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:399
L:9281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:401
L:9366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:406

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/854,133

DATE: 05/31/2001

TIME: 15:12:19

Input Set : A:\475c10.app.txt

Output Set: C:\CRF3\05312001\I854133.raw

L:9414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:409
L:9415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:409
L:9416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:409
L:9450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:411
L:9515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:415
L:9530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:416
L:9531 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:416
L:9532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:416
L:11827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444
L:11828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444
L:11833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444
L:11836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444
L:11871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:446
L:11872 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:446
L:11873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:446
L:11875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:446
L:11877 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:446
L:11879 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:446
L:11881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:446
L:11902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:447
L:11903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:447
L:11936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:449
L:11939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:449
L:11940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:449
L:11945 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:449
L:11959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:450
L:11983 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:451
L:11988 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:451
L:11989 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:451
L:11991 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:451
L:11992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:451
L:12006 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:452
L:12030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:453
L:12053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:454
L:12084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:455
L:12086 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:455
L:12119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:457
L:12124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:457
L:12186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:460
L:12200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:461
L:12202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:461
L:12203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:461
L:12204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:461
L:12205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:461
L:12207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:461
L:12208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:461
L:12209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:461
L:12242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:463
L:12250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:463

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/854,133

DATE: 05/31/2001

TIME: 15:12:19

Input Set : A:\475c10.app.txt

Output Set: C:\CRF3\05312001\I854133.raw

L:12281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:465
L:12282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:465
L:12283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:465
L:12284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:465
L:12285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:465
L:12287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:465
L:12319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:467
L:12320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:467
L:12321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:467
L:12322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:467
L:12323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:467
L:12339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:468
L:12346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:468
L:12360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:469
L:12361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:469
L:12369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:469
L:12383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:470
L:12385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:470
L:12386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:470
L:12390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:470
L:12391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:470
L:12392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:470
L:12405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:471
L:12410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:471
L:12427 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:472
L:12437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:472
L:12451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:473
L:12452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:473
L:12453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:473
L:12454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:473
L:12456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:473
L:12474 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:474
L:12482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:474
L:12496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:475
L:12518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:476
L:12560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:478
L:12570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:478
L:12604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:480
L:12605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:480
L:12606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:480
L:12722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:487
L:13083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:512
L:13084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:512
L:13112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:514
L:13161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:517
L:13197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:519
L:13198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:519
L:13199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:519
L:13201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:519

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/854,133

DATE: 05/31/2001

TIME: 15:12:19

Input Set : A:\475c10.app.txt

Output Set: C:\CRF3\05312001\I854133.raw

L:13202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:519
L:13203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:519
L:13204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:519
L:13244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:522
L:13251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:522
L:13279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:524
L:13298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:525
L:13357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:529
L:13380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:530
L:13398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:531
L:13399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:531
L:13400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:531
L:13427 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:533
L:13445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:534
L:13448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:534
L:13486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:537
L:13531 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:540
L:13605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:545
L:13633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:546
L:13791 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:558
L:13792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:558
L:13793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:558
L:13795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:558
L:13812 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:559
L:13825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:560
L:13829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:560
L:13830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:560
L:13852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:561
L:13877 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:562
L:13918 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:565
L:13957 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:567
L:13958 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:567
L:13959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:567
L:13960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:567
L:13978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:568
L:13979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:568
L:13980 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:568
L:13981 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:568
L:14053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:573
L:14100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:576
L:14101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:576
L:14158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:580
L:14159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:580
L:14167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:580
L:14552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:597
L:14667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:605
L:14727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:609
L:15160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:636
L:15963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:687

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/854,133

DATE: 05/31/2001

TIME: 15:12:19

Input Set : A:\475c10.app.txt

Output Set: C:\CRF3\05312001\I854133.raw

L:16061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:694
L:16062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:694
L:16063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:694
L:16064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:694
L:16469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:722
L:16471 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:722